

### ABSTRACT OF THE INVENTION

The present invention is a system and method that facilitates the reduction of presentation glitches in a digital video system. The present invention is a system and method that automatically determines if digital video (DV) data is missing from a stream of DV information and replaces or patches missing DV data with appropriate information to reduce the appearance of interruptions in the video (e.g., glitches in presentations). A communication packet carrying application data is received by an application data patching computer system. In one embodiment of the present invention, an IEEE standard 1394 compliant isochronous packet carrying digital video information is received. The application data (e.g., DV information) is separated from other communication packet protocol data (e.g., IEEE standard 1394 compliant header information). The received application data is analyzed to determine if it conforms to configuration constraints of predetermined application data format requirements. In one exemplary implementation, the initial information included in the application data section of the communication packet is analyzed to determine if it appropriately (e.g., sequentially) follows the information in previously received communication packet in accordance with predefined configuration definitions. If the information does not appropriately (e.g., sequentially) follow the information in previously received communication packet, a data patch is provided for lost or missing application data.